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Illicit Trafficking and Radiological Consequences with NUCLEONICA
Institute of Transuranium Elements, Karlsruhe, 4-6th November 2009**

Agenda:

Day 1:	Nucleonica Application Basics		
9:00	 Nucleonica Overview		J. Magill, ITU
9:30	 Nucleonica Data Centre		J. Magill, ITU
10:00	 Hands on exercises with the Data Centre	 Exercises	J. Magill/R. Dreher/Z. Soti
10:30 Coffee			
10:50	Participants Introduction		
11:15	 Hands on exercises with Nucleonica modules (MAC, D&S, Decay, Mixtures, etc.)	 Exercises	J. Magill/R. Dreher/Z. Soti
12:30 Lunch			
13.30	 webKORIGEN	 Exercises	H. W. Wiese, IKET
14:30	 A first encounter with Nucleonica		Z. Soti, ITU
14:50 Coffee			
15:15	 Gamma Spectrum Generator (GSG) + eMC	 Exercises	A. Berlizov, KINR
16:10	 Interference situations in Gamma Spectrometry		V. Kleinrath, ITU
16:30	 Experiences with the Library Creation module		M. Srncik, ITU
16:45	End of Session		
Day 2:	Illicit Trafficking		Chairman M. Wallenius
9:00	 Gamma spectrometric techniques in radiation monitoring at borders - importance of spectrum modeling		R. Arlt, formerly IAEA
9:45	 Cambio File Translation Application		G. P. Lasche, Sandia
10:30 Coffee			
11:00	 Detection & Forensic Analysis of Uranium Materials	 Exercises	K. Mayer
12:00	 Hands on exercises with Nucleonica modules (MAC, mixtures, D&S, Decay, etc.)	 Exercises	J. Magill/R. Dreher/Z. Soti
12:30 Lunch	Chairman. K. Mayer		
13:30	 Cloud Rise Model for a RDD Scenario Analyses	 Exercises	A. Sharon, NRCN
14:15	 Plutonium: an Anthropogenic Element under Nuclear Forensic Investigation	 Exercises	M. Wallenius
15:00 Coffee			
15:30	 Radiological Exposure Devices	 Exercises	E. Hrnccek, ITU
16:45	End of Session		
Day 3:	Radiological Consequences		Chairman A. Berlizov
9.00	 Detection of radiological/nuclear materials for nuclear security	 Exercises	P. Peerani, IPSC
10:30 Coffee			
11:00	 Management of the ²¹⁰ Po case in Hamburg	 Exercises	J. Kesten, BfS
12:30 Lunch	Chairman Z. Soti		
13:30	Stay in touch via Nucleonica networking		V. Kleinrath, ITU
13:45	Feedback, Questionnaire, Certificate		All
14:30 Coffee			
15:00	End of Training Course		